AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (original): An electrode composite body for redox capacitors, comprising a conductive polymer and an electrode.
- 2. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 further comprises an ionic liquid.
- 3. (currently amended): An electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 further comprises an ionic liquid, and the conductive polymer according to claim 1 comprises as a dopant the same anion as an anionic component contained in the ionic liquid.
- 4. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 is prepared by electrolytic polymerization.
- 5. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 is prepared by electrolytic polymerization in the presence of an ionic liquid.
- 6. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 is prepared by electrolytic polymerization in the presence of an ionic liquid containing as a component at least one ion selected from sulfonic acid anion (-SO₃-), carboxylato (-COO-), and BF₄-.

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- 7. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer-according to claim 1 is prepared by electrolytic polymerization in the presence of an organic solvent.
- 8. (currently amended): The electrode composite body for redox capacitors according to elaim 1-any one of claims 1 to 7, wherein the conductive polymer-according to any one of claims 1 to 7 is at least one selected from polypyrrole, polythiophene, polyquinone, derivatives of these polymers, and polymers prepared by polymerizing an amino-group-containing aromatic compound.
- 9. (currently amended): The electrode composite body for redox capacitors according to claim 1, wherein the conductive polymer according to claim 1 is carried on the surface of the electrode according to claim 1.
- 10. (currently amended): The electrode composite body for redox capacitors according to claim 9, wherein the electrode-according to claim 9 comprises a carbon material.
- 11. (original): An electrode composite body for redox capacitors, comprising a conductive polymer film and an electrode.
- 12. (currently amended): The electrode composite body for redox capacitors according to claim 11, wherein the thickness of the conductive polymer film-according to claim 11 in a state of actual use is 0.1 to 1,000 μm .
- 13. (currently amended): The electrode composite body for redox capacitors according to claim 11, wherein the thickness of the conductive polymer film according to claim 11 when the conductive polymer film is dried at 25°C for 48 hours is 0.05 to 500 μm.
- 14. (original): An electrolyte for redox capacitors comprising an ionic liquid as an essential component.

- 15. (currently amended): A redox capacitor comprising an electrolyte containing an ionic liquid as an essential component and the electrode composite body for redox capacitors according to any one of claims 1 to 13claim 1.
- 16. (currently amended): The redox capacitor according to claim 15, wherein the electrolyte essentially containing an ionic liquid-according to claim 15 comprises sulfonic acid anion (-SO₃-), carboxylato (-COO-), or BF₄-.
- 17. (currently amended): The redox capacitor according to claim 15, wherein the electrolyte essentially containing an ionic liquid-according to claim-15 further comprises an organic solvent.
- 18. (original): The redox capacitor according to claim 17, wherein the weight ratio (A)/(B) of the organic solvent (A) to the ionic liquid (B) is 5 or less.
- 19. (original): The redox capacitor according to any one of claims 15 to 18, the redox capacitor including at least an ionic liquid and a conductive polymer that use all or some of oxidation-reduction of an electrode material, charge-and-discharge in the electric double layer, and adsorption and desorption of ions on the surface of an electrode for storing-and-discharging electric energy, wherein a doping-dedoping reaction of the conductive polymer is performed in the ionic liquid solution.
- 20. (currently amended): A composite body of an electrolyte according to claim 14 for redox capacitors comprising an ionic liquid as an essential component and electrodes used for the redox capacitor according to any one of claims 15 to 19 claim 15 that includes at least an ionic liquid and the conductive polymer and that uses thea doping-dedoping reaction of the conductive polymer, wherein thean anionic component contained in the ionic liquid is the same component as a part of thea dopant of the conductive polymer.

Preliminary Amendment Based on PCT/JP2004/014140

21. (original): The composite body according to claim 20, wherein at least one electrode comprises an electrode prepared by combining a polypyrrole film.